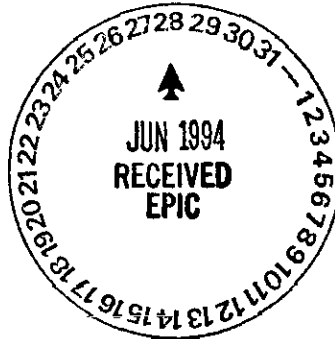


START**ENGINEERING CHANGE NOTICE**Page 1 of 21. ECN **607433**Proj.
ECN

2. ECN Category (mark one)		Supplemental <input type="checkbox"/>	Change ECN <input type="checkbox"/>	Supersedure <input type="checkbox"/>
Cancel/Void <input type="checkbox"/>		Direct Revision <input checked="" type="checkbox"/>	Temporary <input type="checkbox"/>	Discovery <input type="checkbox"/>
3. Originator's Name, Organization, MSIN, and Telephone No. L.C. Hulstrom 300 Area Source Investigation & Remediation Projects H6-03, 376-4034				4. Date June 14, 1994
5. Project Title/No./Work Order No. Data Validation Summary Report 300-FF-5 Operable Unit Round 5 Groundwater (All Fractions)		6. Bldg./Sys./Fac. No. N/A		7. Impact Level N/A
8. Document Number Affected (include rev. and sheet no.) WHC-SD-EN-TI-172, Rev. 0 & 0-A		9. Related ECN No(s). 197980		10. Related PO No.
11a. Modification Work <input type="checkbox"/> Yes (fill out Blk. 11b) <input checked="" type="checkbox"/> No (NA Blks. 11b, 11c, 11d)	11b. Work Package Doc. No. NA	11c. Complete Installation Work NA _____ Cog. Engineer Signature & Date	11d. Complete Restoration (Temp. ECN only) NA _____ Cog. Engineer Signature & Date	
12. Description of Change A minor modification to Table 2-1 on page 2-11 (the qualifiers for methylene chloride, 1,2-Dichloroethene, and tetrachloroethene for sample B086R1 were changed from UJ to U.)				
				
13a. Justification (mark one)		Criteria Change <input type="checkbox"/>	Environmental <input type="checkbox"/>	Facilitate Const. <input type="checkbox"/>
Design Error/Omission <input type="checkbox"/>		Design Improvement <input type="checkbox"/>	As-Found <input checked="" type="checkbox"/>	Const. Error/Omission <input type="checkbox"/>
13b. Justification Details Additional review by WHC and subcontractor staff during preparation of the Phase II RI report identified the minor discrepancy.				
14. Distribution (include name, MSIN, and no. of copies) (1) L. C. Hulstrom (H6-03, 1 copy), EDMC (H6-08, 2 copies), Central Files (L8-04, 2 copies), ERC (H6-06, 1 copy)				RELEASE STAMP OFFICIAL RELEASE (11) BY WHC DATE JUN 21 1994 <i>Station #12</i>

ENGINEERING CHANGE NOTICE

Page 2 of 2

1. ECN (use no. from pg. 1)

607433

15. Design Verification Required

☐ Yes
☒ No

16. Cost Impact

ENGINEERING

 Additional ☐ \$
 Savings ☐ \$

CONSTRUCTION

 Additional ☐ \$
 Savings ☐ \$

17. Schedule Impact (days)

 Improvement ☐
 Delay ☐

18. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 12. Enter the affected document number in Block 19.

SDD/DD	<input type="checkbox"/>	Seismic/Stress Analysis	<input type="checkbox"/>	Tank Calibration Manual	<input type="checkbox"/>
Functional Design Criteria	<input type="checkbox"/>	Stress/Design Report	<input type="checkbox"/>	Health Physics Procedure	<input type="checkbox"/>
Operating Specification	<input type="checkbox"/>	Interface Control Drawing	<input type="checkbox"/>	Spares Multiple Unit Listing	<input type="checkbox"/>
Criticality Specification	<input type="checkbox"/>	Calibration Procedure	<input type="checkbox"/>	Test Procedures/Specification	<input type="checkbox"/>
Conceptual Design Report	<input type="checkbox"/>	Installation Procedure	<input type="checkbox"/>	Component Index	<input type="checkbox"/>
Equipment Spec.	<input type="checkbox"/>	Maintenance Procedure	<input type="checkbox"/>	ASME Coded Item	<input type="checkbox"/>
Const. Spec.	<input type="checkbox"/>	Engineering Procedure	<input type="checkbox"/>	Human Factor Consideration	<input type="checkbox"/>
Procurement Spec.	<input type="checkbox"/>	Operating Instruction	<input type="checkbox"/>	Computer Software	<input type="checkbox"/>
Vendor Information	<input type="checkbox"/>	Operating Procedure	<input type="checkbox"/>	Electric Circuit Schedule	<input type="checkbox"/>
OM Manual	<input type="checkbox"/>	Operational Safety Requirement	<input type="checkbox"/>	ICRS Procedure	<input type="checkbox"/>
FSAR/SAR	<input type="checkbox"/>	IEFD Drawing	<input type="checkbox"/>	Process Control Manual/Plan	<input type="checkbox"/>
Safety Equipment List	<input type="checkbox"/>	Cell Arrangement Drawing	<input type="checkbox"/>	Process Flow Chart	<input type="checkbox"/>
Radiation Work Permit	<input type="checkbox"/>	Essential Material Specification	<input type="checkbox"/>	Purchase Requisition	<input type="checkbox"/>
Environmental Impact Statement	<input type="checkbox"/>	Fac. Proc. Samp. Schedule	<input type="checkbox"/>		<input type="checkbox"/>
Environmental Report	<input checked="" type="checkbox"/>	Inspection Plan	<input type="checkbox"/>		<input type="checkbox"/>
Environmental Permit	<input type="checkbox"/>	Inventory Adjustment Request	<input type="checkbox"/>		<input type="checkbox"/>

19. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.

Document Number/Revision

Document Number/Revision


Document Number Revision

NA

20. Approvals

Signature	Date	Signature	Date
OPERATIONS AND ENGINEERING		ARCHITECT-ENGINEER	
Cog./Project Engineer <i>L.C. Hulstrom</i>	<u>6/14/94</u>	PE	
Cog./Project Engr. Mgr. <i>R.A. Carlson</i>	<u>6/14/94</u>	QA	
QA		Safety	
Safety		Design	
Security		Other	
Proj. Prog./Dept. Mgr.			
Def. React. Div.			
Chem. Proc. Div.			
Def. Wst. Mgmt. Div.		DEPARTMENT OF ENERGY	
Adv. React. Dev. Div.			
Proj. Dept.			
Environ. Div.		ADDITIONAL	
IRM Dept.			
Facility Rep. (Ops.)			
Other			

65607-928716

Date Received: b-16-94 Arl		INFORMATION RELEASE REQUEST		Reference: WHC-CM-3-4	
Complete for all Types of Release					
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			ID Number (include revision, volume, etc.) WHC-SD-EN-TI-172, Rev. 0-B		
			List attachments. NA		
			Date Release Required <div style="text-align: right;">June 17, 1994</div>		
Title Data Validation Summary Report - 300-FF-5 Operable Unit - Round 5 Groundwater (All Fractions)				Unclassified Category UC- N/A	
New or novel (patentable) subject matter? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If "Yes", has disclosure been submitted by WHC or other company? <input type="checkbox"/> No <input type="checkbox"/> Yes Disclosure No(s).				Information received from others in confidence, such as proprietary data, trade secrets, and/or inventions? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Identify)	
Copyrights? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If "Yes", has written permission been granted? <input type="checkbox"/> No <input type="checkbox"/> Yes (Attach Permission)				Trademarks? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Identify)	
Complete for Speech or Presentation					
Title of Conference or Meeting NA			Group or Society Sponsoring NA		
Date(s) of Conference or Meeting NA		City/State NA		Will proceedings be published? <input type="checkbox"/> Yes <input type="checkbox"/> No Will material be handed out? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Title of Journal NA					
CHECKLIST FOR SIGNATORIES					
Review Required per WHC-CM-3-4 Yes No Reviewer Signature Indicates Approval Date					
Classification/Uncontrolled Controlled Nuclear information <input type="checkbox"/> <input checked="" type="checkbox"/>					
Patent - General Counsel <input type="checkbox"/> <input checked="" type="checkbox"/>					
Legal - General Counsel <input type="checkbox"/> <input checked="" type="checkbox"/>					
Applied Technology/Export Controlled Information or International Program <input type="checkbox"/> <input checked="" type="checkbox"/>					
WHC Program/Project <input type="checkbox"/> <input checked="" type="checkbox"/>					
Communications <input type="checkbox"/> <input checked="" type="checkbox"/>					
RL Program/Project <input checked="" type="checkbox"/> <input type="checkbox"/> R.G. McLeod <i>Review not required per Eleccon</i> 6/14/94					
Publication Services <input checked="" type="checkbox"/> <input type="checkbox"/> L. Hermann <i>L. Hermann</i> 6/15/94					
Other Program/Project <input type="checkbox"/> <input checked="" type="checkbox"/>					
Information conforms to all applicable requirements. The above information is certified to be correct.					
References Available to Intended Audience Yes No <input checked="" type="checkbox"/> <input type="checkbox"/>			INFORMATION RELEASE ADMINISTRATION APPROVAL STAMP Stamp is required before release. Release is contingent upon resolution of mandatory comments. <div style="text-align: center;">  </div>		
Transmit to DOE-HQ/Office of Scientific and Technical Information <input type="checkbox"/> <input checked="" type="checkbox"/>					
Author/Requestor (Printed/Signature) Date L.C. Hulstrom <i>LC Hulstrom</i> 6/14/94					
Intended Audience <input type="checkbox"/> Internal <input type="checkbox"/> Sponsor <input checked="" type="checkbox"/> External					
Responsible Manager (Printed/Signature) Date R.A. Carlson <i>RA Carlson</i> 6/14/94			Date Cancelled Date Disapproved		

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SUPPORTING DOCUMENT		1. Total Pages 68
2. Title Data Validation Summary Report - 300-FF-5 Operable Unit - Round 5 Groundwater (All Fractions)	3. Number WHC-SD-EN-TI-172	4. Rev No. 0-B
5. Key Words TMA VOA, Gross Alpha/Beta, and Total Uranium analyses - Case #'s A303043, S303013, N3-03-011-7165, N3-03-079-7168 Weston/Teledyne VOA, Gross Alpha/Beta, and Total Uranium analyses - Case #'s 9302L748, 9303L887.	6. Author Name: L. C. Hulstrom <i>L. C. Hulstrom</i> 6/14/94 Signature Organization/Charge Code 8C300/P25AE	
7. Abstract APPROVED FOR PUBLIC RELEASE 3/17/94 O.S. 05 Hulstrom, L. C., 1993, Data Validation Summary Report - 300-FF-5 Operable Unit - Round 5 Groundwater (All Fractions), WHC-SD-EN-TI-172, Rev. 0, prepared by Ebasco/Hart Crowser, for Westinghouse Hanford Company, Richland, Washington.		
8. SCOPE AND USE OF DOCUMENT - This document was prepared for use in the U.S. Department of Energy and its contractors. It is to be used only to perform, direct, or integrate work under U.S. Department of Energy contracts. This document is approved for public release until reviewed. PATENT NOTICE - This document copy, since it was transmitted in advance of patent clearance, is made available for reference solely for use in the performance of work under contract with the U.S. Department of Energy. This document is not to be published nor its contents otherwise disseminated or used for purposes other than specified above without patent approval. Such release, if it has been secured, upon request, from the Patent Counsel, U.S. Department of Energy Field Office, Richland, WA.		10. RELEASE STAMP <div style="border: 1px solid black; padding: 5px; text-align: center;"> OFFICIAL RELEASE BY WHC DATE JUN 21 1994 <i>Station # 12</i> </div>
9. Impact Level N/A		

RECORD OF REVISION

(1) Document Number

WHC-SD-EN-TI-172

Page 1

(2) Title

Data Validation Summary Report 300-FF-5 Operable Unit Round 5 Groundwater

CHANGE CONTROL RECORD

(3) Revision	(4) Description of Change - Replace, Add, and Delete Pages	Authorized for Release		
		(5) Cog. Engr.	(6) Cog. Mgr.	Date
0	Initial release EDT 142924, 7/21/93	L.C. Hulstrom	R.A. Carlson	
0-A	Replace text on pages 2-1 and 2-2 and Tables 1-1 and 2-1 on pages 1-4 and 2-11 with revised text and tables (designated Rev. 0-A). ECN 197980, 8/25/93	L.C. Hulstrom	R.A. Carlson	
0-B RS	Replace Table 2-1 with the revised table. ECN 607433	<i>L.C. Hulstrom</i> L.C. Hulstrom 6/14/94	<i>R.A. Carlson</i> R.A. Carlson 6/14/94	

2060 3/28/94

Table 2-1. 300-FF-5 Operable Unit Remedial Investigation
Round 5 Groundwater Volatile Organic Compounds
Analysis and Qualifier Summary

Sample No.	*B086S2	*B086S1	*B086P9	*B086Q1	*B086Q9	*B086R1	*B086R4	*B086T6 Trip Blank	B086Q2	B086Q3	B086R7	B086T5
300-FF-5 Compounds of Concern:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Methylene Chloride	1 J	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	3 J
1,2-Dichloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	3 J	10 U	10 U	10 U	3 J	3 J	6 J	10 U	10 U	10 U	2 J	10 U
Tetrachloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Additional Compounds Originally Detected in Sample:												
Acetone	10 U	NR	9 J	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloroform	3 J	NR	NR	NR	1 J	3 J	8 J	NR	NR	NR	NR	NR

NR - not reported as detected

* - fully validated sample

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